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June 25, 2008

California State Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 20802001.10 Revised

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
3RD Floor

Dear Mr. Gau:

On various dates in February and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 3RD Floor of the California State Board of Equalization building located at the above mentioned address. At the time of the survey, various samples were collected and direct-reading instruments were used to assess the general indoor air quality on that floor, with a clear emphasis on establishing fungal growth exposure potential data. I have enclosed our report, which included general observations, sample and direct-reading results, a discussion of the data, conclusions, and recommendations.

If you have any comments or questions regarding the information contained in this report, please do not hesitate to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Brian P. Daly, CIH, PE
President

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LIMITED INDOOR AIR QUALITY SURVEY

450 N STREET – 3RD FLOOR
SACRAMENTO, CALIFORNIA

PREPARED FOR:

CALIFORNIA STATE BOARD OF EQUALIZATION
450 N STREET
SACRAMENTO, CALIFORNIA

PREPARED BY:

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.
3625 DEL AMO BOULEVARD, SUITE 180
TORRANCE, CALIFORNIA

JUNE 25, 2008

1.0 BACKGROUND

On various dates in February and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 3RD Floor of the California State Board of Equalization Building located at 450 N Street in Sacramento, California. During the survey, a variety of samples were collected and direct-reading instruments were used to assess the general indoor air quality on the 3RD Floor of the subject building. Various air and surface samples were collected in order to assess fungal growth exposure potentials and to establish fungal growth assessment information on selected building material surfaces. In addition, air samples were collected throughout the floor for fibrous dust, microbial volatile organic compounds (MVOCs), and total dust analysis and direct-reading instruments were used to determine airborne volatile organic compounds (VOCs), carbon dioxide (CO_2), ozone (O_3), air temperature, and relative humidity.

2.0 OBSERVATIONS

The interior building materials of the 3RD Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal windowsills; metal doorjambs and door frames; painted gypsum board walls in the general work areas; tile covered walls and painted gypsum board ceilings in the restrooms; suspended 2' by 4' ceiling tiles in the general work areas; vinyl cove base; carpet flooring in the general work areas; and ceramic or vinyl tile flooring in the restrooms and break rooms.

The furnishings in the surveyed areas included desks, upholstered chairs, shelves, fabric covered cubicles, office supplies, computers, and other electronic office equipment. The furnishings did not appear to support fungal growth, nor did they appear to have been affected in any other manner by water intrusion. However, be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers.

3.0 SAMPLING AND ANALYSIS

Air samples were collected and subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. Other samples were collected for airborne fibers, MVOCs, and total dust determinations using SKC® brand Airchek® 52 sampling pumps and the appropriate sampling media. Pump flow rates were established and verified using a BIOS DryCal DC-Lite primary flow meter. Those samples were collected and analyzed along with blanks (identical sampling media through which no air was drawn), when necessary, at laboratories accredited by the American Industrial Hygiene Association (AIHA) through successful participation in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program. Direct-reading instruments were used to determine airborne O_3, and VOC levels, the results of which appear in Table 20802001-107 in Appendix A of this report. A discussion of the airborne CO_2 data, along with air temperature and relative humidity results, appears in Section 4.0 of this report. Additional information concerning the specific sampling and analytical methods appears below.

3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.1 Airborne Total Fungi

Air samples for airborne total (viable and nonviable) fungi determinations were collected using a Zefon brand Bio-Pump™ equipped with Allergenco-D™ cassettes. All such samples were collected at various indoor locations and two samples were collected outdoors on each applicable survey date for comparison purposes. The resultant data, which are presented in spores per cubic meter of air (spores/M^3), appear in Table 20802001-101.

3.2 Airborne Viable Fungi

Air samples for airborne viable fungi determinations were collected on malt extract agar (MEA) using a Gast brand high volume air-sampling pump equipped with an Aerotech 6™ Single Stage Bioaerosol Sampler. Two outdoor samples were also collected on the applicable survey date for comparison purposes. The media was incubated prior to enumeration of colony-forming units per agar plate and the resultant data, presented in colony forming units per cubic meter of air (CFU/ M^3), can be found in Table 20802001-102.

3.3 Surface Fungal Growth Potentials

Surface samples were collected for fungal growth assessment using Scotch® brand cellophane tape segments affixed to microscope slides. Additionally, surface fungi samples were collected from various heating, ventilating, and air conditioning (HVAC) supply air register surfaces using Healthlink® Transporters™ (Rayon tipped swabs immersed in 0.5 ml modified Stuart's transport medium). These data are presented in Table 20802001-103.

3.4 Airborne Fibers

Area air samples for fibrous dust were collected at stationary locations on 25-millimeter diameter, 0.8-micrometer pore size, mixed cellulose ester filters. The samples were analyzed by phase contrast microscopy (PCM) in accordance with the NIOSH Method 7400. These data are presented in fibers per cubic centimeter (f/cc) of air in Table 20802001-104.

3.5 Airborne Total Dust

Area air samples for total dust determination were collected at stationary locations on filter cassettes containing pre-weighed 37-millimeter diameter, polyvinyl chloride filters having a pore size of five micrometers. The samples were analyzed by gravimetric method in accordance with the NIOSH Method 0500. These data are presented in milligrams per cubic meter of air (mg/M^3) and appear in Table 20802001-105.

3.6 Microbial Volatile Organic Compounds

Area samples for MVOCs were collected on solid sorbent tubes equipped with Sagelock fittings. The samples were analyzed by gas chromatography/ mass spectrometry, modified for MVOCs following AIHA field guide. These data are presented in mg/M^3 and appear in Table 20802001-106.

3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.7 Airborne Volatile Organic Compounds

Direct-reading air measurements for VOCs were also recorded at various locations on the 3RD Floor using a RAE Systems, Inc. Mini-RAE 2000 photoionization detector, which is capable of detecting a wide variety of unsaturated hydrocarbons at airborne concentrations ranging from 0.1 to 10,000 parts per million (ppm). Prior to the survey, this instrument was calibrated using a 100-ppm isobutylene gas standard. These data are presented in parts per million (ppm).

3.8 Airborne Ozone

Direct-reading air measurements for O_3 were recorded at various locations using a Dräger colorimetric detector tube apparatus with the appropriate detector tubes. The data are presented in ppm.

3.9 Airborne Carbon Dioxide

Direct-reading air measurements for airborne CO_2 concentration was recorded at a stationary location using a Telaire® 7001 Carbon Dioxide and Temperature Monitor along with the HOBO® data logger. The data are presented in ppm.

3.10 Air Temperature and Relative Humidity

Air temperature and relative humidity data were recorded at a stationary location using a Telaire® 7001 Carbon Dioxide and Temperature Monitor along with the HOBO® data logger.

4.0 DISCUSSION

4.1 Airborne Total Fungi

The airborne total fungi data showed common spore types outdoors such as ascospores, basidiospores, *Cladosporium*, *Epicoccum*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Oidium*, other colorless, and/or smuts, with basidiospores predominating in both samples. Indoors, the data showed that either airborne spores were not detected at or above the laboratory analytical detection limit or were detected at low airborne concentrations that included one or more of the following: *Alternaria*, ascospores, basidiospores, *Cladosporium*, *Epicoccum*, *Nigrospora,* colorless spores typical of *Penicillium* and *Aspergillus* species, other brown, rust, smuts, and/or *Torula*. Indoors, the distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.0 DISCUSSION (CONTINUED)

4.2 Airborne Viable Fungi

The viable fungi data recorded outdoors showed overall levels of 177 CFU/M^3 and 54 CFU/M^3 in the two samples collected, with *Cladosporium* predominating in both. Indoors, low levels of common fungi were found including *Alternaria*, *Aspergillus niger*, *Aureobasidium*, *Cladosporium,* and/or non-sporulating fungi. Again, the data recorded were unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.3 Surface Fungal Growth Potentials

The surface assessment data involving the samples collected from various cubicle partitions and other surfaces throughout the 3RD Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. Additionally, the surface assessment data involving samples collected from the HVAC supply air registers also indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, be advised that visible accumulation of debris, dust, and other particulates was observed on all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

4.4 Airborne Fibrous Dust

The recorded in the surveyed areas indicated that airborne fibrous dusts were either not detected above the laboratory detection limit of 0.004 f/cc or were detected at levels ranging from 0.004 to 0.008 f/cc. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data, which are expected to represent employee *exposure potentials* to fibers of various types, including man-made and natural mineral fibers, cellulosics (paper or wood composition), gypsum, and other fibrous dusts common in the environment, are well below the current Cal-OSHA 8-hour TWA PEL for asbestos fibers of 0.1 f/cc, the most restrictive exposure limit for fibrous dusts.

4.5 Airborne Total Dust

Common dust that is typically identified in buildings usually contains a wide variety of materials including, but not limited to, gypsum crystals, cellulosic particles, fiberglass fragments, mineral grains from soil, fungi spores, fine glass fibers, textile and wood fibers, iron or steel fragments, dead skin cells, insect parts, animal dander, and pollens. Generally, exposure to low levels of such materials does not produce ill effects in most persons. In fact, these so-called *nuisance dusts* have a long history of little adverse effect to the lungs and are not known to produce significant diseases or toxic effects, such as collagen (scar tissue) formation, when exposure are kept under reasonable control.

The data recorded in the surveyed areas showed that airborne total dust was not detected at or above the respective laboratory analytical detection limits of 0.11, 0.18 or 0.19 mg/M^3. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of

4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) 8-hour time-weighted average (TWA) permissible exposure limit (PEL) for total dust of 10 mg/M^3, as defined in Title 8 of the California Code of Regulations, Section 5155 (T8, CCR § 5155). Note that these data are also well below the American Conference of Governmental Industrial Hygienists 8-hour TWA threshold limit value (TLV-TWA) for particulate (not otherwise classified) of 10 mg/M^3; the U.S. Environmental Protection Agency (EPA) National Ambient Air Quality Primary Standard of 0.26 mg/M^3 (24-hour standard); and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE) theoretical value for non-occupational environments of 1/10 of the TLV.

4.6 Airborne Microbial Volatile Organic Compounds

Microbial Volatile Organic Compounds (MVOCs) are composed of low molecular weight alcohols, aldehydes, amines, ketones, terpenes, aromatic and chlorinated hydrocarbons, and sulfur-based compounds that are known to be byproducts of microbial metabolism. MVOCs have a very low odor threshold, thus, making them easily detectable by smell. They often have strong odors and are responsible for the smells generally associated with fungal growth.

The airborne MVOC data indicated the presence of 3-methylfuran at levels ranging from 44 ng/m^3 to 66 ng/m^3, 2-methyl-1-propanol at levels ranging from not detected to 50 ng/m^3,1-butanol at levels ranging from 264 ng/m^3 to 1,139 ng/m^3, 2-hexanone at levels ranging from 43 ng/m^3 to 82 ng/m^3, and 2-heptanone at levels ranging from 86 ng/m^3 to 166 ng/m^3. Microbial growth related MVOCs would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that 3-methylfuran, 2-methyl-1-propanol, 1-butanol, 2-hexanone, and 2-heptanone were detected at low levels without the other above mentioned MVOCs would indicate that their presence on the 3RD Floor was most likely not fungal growth related and attributable to common office products and/or personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

4.7 Airborne Volatile Organic Compounds

With the use of a direct-reading photoionization detector, VOCs were not detected at or above the instrument detection limit of 0.1 ppm. Because these data were recorded at stationary locations at approximate breathing zone height, the results are expected to represent building occupant *exposure* potentials for those persons occupying or passing through the areas monitored. These data were well below the surrogate Cal-OSHA PELs that are often used for comparative purposes regarding VOC exposures, such as those for gasoline, hexane, and varnish makers and painters (VM&P) naphtha.

4.8 Airborne Ozone

O_3 was not detected at or above the Dräger instrument detection limits of 0.05 ppm.

4.0 DISCUSSION (CONTINUED)

4.9 Airborne Carbon Dioxide

The direct-reading results indicated that CO_2 was detected at levels ranging from 454 to 669 ppm on the 3rd Floor. While these data were somewhat higher than the expected outdoor CO_2 levels, which generally range between 320 and 350 ppm, they are considered normal for occupied indoor environments and they are all well below the Cal-OSHA 8-hour TWA PEL for CO_2 of 5000 ppm (T8, CCR, § 5155). They are also below the level of 1000 ppm, which is essentially equivalent to the recommended upper limit for building occupant comfort and odor control established by ASHRAE (not greater than 700 ppm above the outdoor CO_2 value) as stated in ASHRAE 62-2001.

Based on historic studies performed by HygieneTech, building occupant complaints of "stuffy" air often begin when CO_2 levels exceed 800 ppm. HygieneTech has also found that some sensitive persons may experience discomfort, including eye irritation and headache, when CO_2 levels reach 1,000 ppm. Such symptoms are not believed to be the result of an unhealthful exposure to CO_2; rather, they are thought to be the result of exposure to other common indoor air pollutants which, if not exhausted and/or diluted, can accumulate over time.

4.10 Air Temperature and Relative Humidity

Air temperatures ranged between 71.08 and 72.46 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were within the comfort range recommended for the winter months.

Relative humidity data were recorded indoors at levels ranging from 26.6 to 32.4 percent. Such levels were slightly lower than the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.0 CONCLUSIONS

5.1 The airborne total and viable fungi data recorded in the surveyed areas showed airborne fungi levels that were generally below those recorded outdoors and therefore considered unremarkable. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

5.2 The surface assessment data involving the samples collected from various cubicle partitions and other surfaces throughout the 3RD Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. Additionally, the surface assessment data involving samples collected from the HVAC supply air registers also indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

5.0 CONCLUSIONS (CONTINUED)

5.3 The airborne total and fibrous dust, VOC, and O_3 recorded during the survey were unremarkable. Collectively, the data were well below applicable Cal-OSHA 8-hour TWA PELs and/or other occupational, non-occupational, ASHRAE, or foreign guidelines. The data are not expected to represent conditions that pose a measurable health risk to the building occupants.

5.4 The airborne MVOC data indicated the presence of 3-methylfuran at levels ranging from 44 ng/m^3 to 66 ng/m^3, 2-methyl-1-propanol at levels ranging from not detected to 50 ng/m^3,1-butanol at levels ranging from 264 ng/m^3 to 1,139 ng/m^3, 2-hexanone at levels ranging from 43 ng/m^3 to 82 ng/m^3, and 2-heptanone at levels ranging from 86 ng/m^3 to 166 ng/m^3. Microbial growth related MVOCs would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that 3-methylfuran, 2-methyl-1-propanol, 1-butanol, 2-hexanone, and 2-heptanone were detected at low levels without the other above mentioned MVOCs would indicate that its presence on the 5TH Floor was most likely not fungal growth related and attributable to common office products and/or personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

5.5 Air temperatures ranged between 71.08 and 72.46 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were within the comfort range recommended for the winter months. Relative humidity data were recorded indoors at levels ranging from 26.6 to 32.4 percent, levels that were slightly lower than the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.6 Be advised that the data provided in this report only represent fungal growth and exposure potentials that existed at the time the survey was performed and at the precise sample locations only, the latter of which were selected based on the available background information provided. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the survey.

6.0 RECOMMENDATIONS

All such recommendations are based strictly on the assessment information and analytical data that were available to HygieneTech at the time this report was prepared. Be advised that, in order to establish data that accurately reflects all the fungal growth sites on the 3RD Floor, additional assessment evaluations may be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

6.0 RECOMMENDATIONS (CONTINUED)

6.1 If not yet established, an accurate record of all air monitoring results should be maintained in accordance with Cal-OSHA regulation found in T8, CCR § 3204. All affected employees should be informed that the *exposure potential* data in this report exist and that those persons, or their representatives, have a right to access relevant exposure data and medical records.

6.2 Routine cleaning of the HVAC supply air registers on the 3RD Floor should be performed to preclude the build-up of dust and debris, which may potentially contribute to fungal growth on those surfaces.

6.3 Also be advised that the exposure data recorded during the survey may not be sufficiently broad to adequately assess the suitability of the indoor air quality for all individuals, particularly those who are extremely sensitive to certain chemical and/or biological substances or for those individuals with immune system deficiencies. Although not expected, if persons occupying or passing through the 3RD Floor do experience non-specific ill effects of unknown etiology, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If more information becomes available, further investigation and air monitoring may be warranted.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

Date: June 25, 2008

Brian P. Daly, CIH, PE
President

Date: June 25, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-101
AIRBORNE TOTAL FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	20802001-TM01OUTAR	20802001-TM02AR	20802001-TM03AR	20802001-TM04AR
SAMPLING LOCATION/ACTIVITIES	Outdoors; 23RD Floor; eastern deck; about center; approximately five feet above deck/Normal outdoor activities	Room 317; northeastern corner; approximately five feet above floor/Normal office activities	Room 317; Breakout Room; about center; approximately five feet above floor/Sampling activities only	Room 316; northwestern corner; approximately five feet above floor/Normal office activities
DATE	02-06-08	02-06-08	02-06-08	02-06-08
START/STOP	14:40:00/14:45:00	15:14:00/15:19:00	15:15:00/15:20:00	15:24:00/15:29:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	160			
Aureobasidium				
Basidiospores	453			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum	13			
Nigrospora				
Oidium	27			
Other brown				
Other colorless	13			
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	679	<13	<13	<13

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM05AR**	**20802001-TM06AR**	**20802001-TM07AR**	**20802001-TM08AR**
SAMPLING LOCATION/ACTIVITIES	Room 317; Cubicle 35; approximately five feet above floor/Normal office activities	Room 317; Cubicle 14; eastern counter top; approximately five feet above floor/Normal office activities	Room 317; Cubicle 22; approximately five feet above floor/Normal office activities	Room 322; about five feet west of entrance; approximately five feet above floor/Normal office activities
DATE	02-06-08	02-06-08	02-06-08	02-06-08
START/STOP	15:25:00/15:30:00	15:32:00/15:37:00	15:35:00/15:40:00	15:41:00/15:46:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores		13		53
Aureobasidium				
Basidiospores		53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53		107
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types		53		53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background particulates*	2+	2+	2+	2+
TOTAL**	13	172	<13	213

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM09AR**	**20802001-TM10AR**	**20802001-TM11AR**	**20802001-TM12AR**
SAMPLING LOCATION/ACTIVITIES	Room 327; Cubicle 61; northern counter top; approximately five feet above floor/Normal office activities	Room 237; Cubicle 78; approximately five feet above floor/Normal office activities	Room 237; Cubicle 11; approximately five feet above floor/Normal office activities	Room 307; Cubicle 121; approximately five feet above floor/normal office activities
DATE	02-06-08	02-06-08	02-06-08	02-06-08
START/STOP	15:42:00/15:47:00	15:52:30/15:57:30	15:52:00/15:57:00	14:01:14:06:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				13
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				107
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	<13	<13	<13	120

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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AIRBORNE TOTAL FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM13AR**	**20802001-TM14AR**	**20802001-TM15AR**	**20802001-TM16AR**
SAMPLING LOCATION/ACTIVITIES	Room 305; about center; approximately five feet above floor/Normal office activities	Room 308; middle cubicle; approximately five feet above floor/Normal office activities	Room 308; Reception Cubicle; eastern counter top; approximately five feet above floor/Normal office activities	Room 311; Cubicle 132; approximately five feet above floor/Normal office activities
DATE	02-06-08	02-06-08	02-06-08	02-06-08
START/STOP	14:01:30/14:06:30	16:09:00/16:14:00	16:09:30/16:14:30	16:18:00/16:23:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Arthrinium				
Ascospores			13	
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown			13	13
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	13	<13	26	66

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-101
AIRBORNE TOTAL FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	20802001-TM17AR	20802001-TM18OUTAR	20802001-TM09CCAR	20802001-TM10CCAR
SAMPLING LOCATION/ACTIVITIES	Room 311; Cubicle 127; approximately five feet above floor/Normal office activities	Outdoors; 23RD Floor; eastern deck; about center; approximately five feet above deck/Normal outdoor activities	Room 317; about 2 feet east of Cubicle 3; within ceiling plenum/Sampling activities only	Room 317; Cubicle 12; southeastern corner; within ceiling plenum/Sampling activities only
DATE	02-06-08	02-06-08	02-07-08	02-07-08
START/STOP	16:18:00/16:32:00	16:29:00/16:34:00	10:45:00/10:50:00	10:52:00/10:57:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	13	213		13
Aureobasidium				
Basidiospores		1,010		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		107	53	
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown			13	
Penicillium/Aspergillus types		107	13	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)			27	
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background particulates*	2+	2+	2+	2+
TOTAL**	13	1,437	106	66

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-101
AIRBORNE TOTAL FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM11CCAR**	**20802001-TM12CCAR**	**20802001-TM13CCAR**	**20802001-TM14CCAR**
SAMPLING LOCATION/ACTIVITIES	Room 322; Cubicle 55-02; southeastern corner; within ceiling plenum/Sampling activities only	Room 327; about 20 feet east of Cubicle 0.61; within ceiling plenum/Sampling activities only	Room 327; about fifteen feet west of eastern partition wall; approximately five feet south of northern partition wall; within ceiling plenum/ Sampling activities only	Room 307; Cubicle 119; northwestern corner; within ceiling plenum/Sampling activities
DATE	02-07-08	02-07-08	02-07-08	02-07-08
START/STOP	11:00/11:05:00	11:08:00/11:13:00	11:15:00/11:20:00	11:25:00/11:30:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13	80		
Arthrinium				
Ascospores	13	27		
Aureobasidium				
Basidiospores	53		13	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	267	373		53
Curvularia				
Epicoccum		13		
Nigrospora	13			
Oidium				
Other brown	13		13	
Penicillium/Aspergillus types	360			
Pithomyces				
Rusts	13	13		
Smuts (Periconia, Myxomycetes)	27	40		
Stachybotrys				
Stemphylium				
Torula		27		
Ulocladium				
Hyphal fragments	27	13	<13	<13
Background particulates*	2+	3+	2+	2+
TOTAL**	772	573	26	53

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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Sacramento, California 94279

TABLE 20802001-101
AIRBORNE TOTAL FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6 AND 7, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM15CCAR**	**20802001-TM16CCAR**		
SAMPLING LOCATION/ACTIVITIES	Room 308; about center; within ceiling plenum/Sampling activities only	Room 311; about five feet south of Reception Desk; within ceiling plenum/Sampling activities only	This column intentionally left blank	This column intentionally left blank
DATE	02-07-08	02-07-08		
START/STOP	11:34:00/11:39:00	11:45:00/11:50:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	93			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	107		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	27	13		
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13		
Background particulates*	2+	2+		
TOTAL**	226	120		

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California

TABLE 20802001-102
AIRBORNE VIABLE FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20802001-VM01AROUT**	**20802001-VM02AR**	**20802001-VM03AR**	**20802001-VM04AR**
SAMPLING LOCATION/ACTIVITIES	Outdoors; 23RD Floor; eastern deck; about center; approximately five feet above deck/Normal outdoor activities	Room 317; Cubicle 47; approximately five feet above floor/Normal office activities	Room 317; Cubicle 28; approximately five feet above floor/Normal office activities	Room 317; Cubicle 22; approximately five feet above floor/Normal office activities
START/STOP	14:50:00/14:52:00	15:17:00/15:19:00	15:28:00/15:30:00	15:35:00/15:37:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria			18	
Aspergillus flavus				
Aspergillus niger	35	18	124	
Aspergillus other				
Aspergillus versicolor	18			
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis	18			
Chaetomium				
Cladosporium	88			
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces				
Penicillium	18			
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Ulocladium				
Yeasts				
TOTAL	177	18	142	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California

TABLE 20802001-102
AIRBORNE VIABLE FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20802001-VM05AR**	**20802001-VM06AR**	**20802001-VM07AR**	**20802001-VM08AR**
SAMPLING LOCATION/ACTIVITIES	Room 327; about seven feet north of Column K22; approximately five feet above floor/Normal office activities	Room 327; Cubicle 11; northeastern corner; approximately five feet above floor/Normal office activities	Room 305; about center; approximately five feet above floor/Normal office activities	Room 308; Reception Cubicle; eastern counter top; approximately five feet above floor/Normal office activities
START/STOP	15:45:00/15:47:00	15:55:00/15:57:00	14:03:00/14:05:00	16:11:00/16:13:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium		18		
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			18	
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Myrothecium				
Non-sporulating fungi	18	18		
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	18	36	18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California

TABLE 20802001-102
AIRBORNE VIABLE FUNGI RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20802001-VM09AR**	**20802001-VM10AR**		
SAMPLING LOCATION/ACTIVITIES	Room 311; Cubicle 129; about center; approximately five feet above floor/Normal office activities	Outdoors; 23RD Floor; eastern deck; about center; approximately five feet above deck/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	16:20:00/16:22:00	16:30:00/16:32:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger	18	18		
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		18		
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Mucor				
Myrothecium				
Non-sporulating fungi				
Paecilomyces				
Penicillium		18		
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	18	54		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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TABLE 20802001-103
SURFACE FUNGAL GROWTH POTENTIALS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-TL21JL	Room 317; Cubicle 47; northern cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL22JL	Room 317; Breakout Room; round table; about center; from horizontal surface	Light	None	None	None	Background
20802001-TL23Jl	Room 317; Cubicle 5; southern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL24JL	Room 317; Cubicle 25; western cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL25JL	Room 317; Cubicle 15; eastern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL26JL	Room 317; Cubicle 22; southern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL27JL	Room 316; northern cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL28JL	Room 317; Cubicle 28; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
20802001-TL29JL	Room 322; Cubicle 55-02; northern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL30JL	Room 322; Cubicle 50; eastern cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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TABLE 20802001-103
SURFACE FUNGAL GROWTH POTENTIALS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-TL31JL	Room 327; Cubicle 61; eastern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL32	Room 326; Cubicle 7; western cubicle partition; southern end; from top horizontal surface	Scant	None	None	None	Background
20802001-TL33JL	Room 327; Cubicle 82; western cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL34JL	Room 327; Cubicle 90; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
20802001-TL35JL	Room 327; Cubicle 102; eastern cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL36JL	Room 327; Cubicle 110; northern cubicle partition; about center; from top horizontal surface	Moderate	Very few	None	None	Background
20802001-TL37JL	Room 307; Cubicle 122; western cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL38JL	Room 308; middle cubicle; western cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL39JL	Room 311; Cubicle 129; eastern cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-TL40JL	Room 310; Dell monitor; about center; from top horizontal surface	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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TABLE 20802001-103
SURFACE FUNGAL GROWTH POTENTIALS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-S09AR	Room 317; about two feet east of Cubicle 3; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
20802001-S10AR	Room 317; Cubicle 12; southeastern corner; ceiling; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
20802001-S11AR	Room 322; Cubicle 55-02; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
20802001-S12AR	Room 327; approximately 20 feet east of Cubicle .061; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
20802001-S13AR	Room 327; about fifteen feet west of eastern cubicle partition; approximately five feet south of northern cubicle partition; ceiling; from reverse side of HVAC supply air register	Moderate	Very few	None	None	Background
20802001-S14AR	Room 307; Cubicle 119; ceiling; from reverse side of HVAC supply air register	Very heavy	Few	None	None	Background
20802001-S15AR	Room 308; about center; ceiling; from reverse side of HVAC supply air register	Very Heavy	Very few	None	None	Background
20802001-S16AR	Room 311; about five feet south of reception desk; ceiling; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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Sacramento, California 94279

TABLE 20802001-104
AIRBORNE FIBERS RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Column N19 area; about ten feet east of Cubicle 47; approximately five feet above floor/ Normal office activities	N/A	20802001-F12	9:20/ 16:43	443 minutes	Fibers	**0.004**	0.1
Area Sample	Column N20 area; about five feet south of Cubicle 05; approximately five feet above floor/Normal office activities	N/A	20802001-F13	9:21/ 16:45	444 minutes	Fibers	**0.005**	0.1
Area Sample	Column N22 area; Cubicle 14; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-F14	9:23/ 16:47	444 minutes	Fibers	**0.004**	0.1
Area Sample	About ten feet north of Nathaniel Eddin's Cubicle; approximately five feet above floor/Normal office activities	N/A	20802001-F15	9:25/ 16:49	444 minutes	Fibers	**0.008**	0.1
Area Sample	Room 327; about three feet south of Room 326 entrance; approximately five feet above floor/Normal office activities	N/A	20802001-F16	8:22/ 15:47	445 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 327; Cubicle 90; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-F17	8:28/ 15:47	439 minutes	Fibers	**0.006**	0.1
Area Sample	Room 327; Cubicle 111; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-F18	8:30/ 10:23	113 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 308; about center; approximately five feet above floor/Normal office activities	N/A	20802001-F20	8:34/ 15:51	437 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 311; Cubicle 129; southeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-F21	8:36/ 15:54	438 minutes	Fibers	**<0.004**	0.1
Blank	N/A	N/A	20802001 -F22	N/A	N/A	Fibers	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
<: Less than
f/cc: Fibers per cubic centimeter of air

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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Sacramento, California 94279

TABLE 20802001-105
AIRBORNE TOTAL DUST RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M^3)	PEL (mg/M^3)
Area Sample	Column N19 area; about ten feet east of Cubicle 47; approximately five feet above floor/ Normal office activities	N/A	20802001 -TD12	11:08/ 15:42	274 minutes	Total dust	**<0.18**	10
Area Sample	Column N20 area; about five feet south of Cubicle 05; approximately five feet above floor/Normal office activities	N/A	20802001 -TD13	11:10/ 15:48	278 minutes	Total dust	**<0.18**	10
Area Sample	Column N22 area; Cubicle 14; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001 -TD14	11:13/ 15:39	266 minutes	Total dust	**<0.19**	10
Area Sample	About ten feet north of Nathaniel Eddin's Cubicle; approximately five feet above floor/Normal office activities	N/A	20802001 -TD15	11:15/ 15:38	263 minutes	Total dust	**<0.19**	10
Area Sample	Room 327; about three feet south of Room 326 entrance; approximately five feet above floor/Normal office activities	N/A	20802001 -TD16	9:20/ 16:38	438 minutes	Total dust	**<0.11**	10
Area Sample	Room 327; Cubicle 90; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001 -TD17	9:23/ 16:51	448 minutes	Total dust	**<0.11**	10
Area Sample	Room 327; Cubicle 111; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001 -TD18	9:26/ 16:49	443 minutes	Total dust	**<0.11**	10
Area Sample	Room 307; about center; approximately five feet above floor/Normal office activities	N/A	20802001 -TD19	9:28/ 16:55	447 minutes	Total dust	**<0.11**	10
Area Sample	Room 308; about center; approximately five feet above floor/Normal office activities	N/A	20802001 -TD20	9:31/ 16:57	446 minutes	Total dust	**<0.11**	10
Area Sample	Room 311; Cubicle 129; southeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001 -TD21	9:34/ 16:56	442 minutes	Total dust	**<0.11**	10
Blank	N/A	N/A	20802001 -TD22	N/A	N/A	Total dust	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
mg/M^3: Milligrams per cubic meter
<: Less than
N/A: Not applicable

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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Sacramento, California 94279

TABLE 20802001-106
MICROBIAL VOLATILE ORGANIC COMPOUNDS
3RD FLOOR
SACRAMENTO, CALIFORNIA
MARCH 5 AND 6, 2008

DATE	NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
3-5-08	Area Sample	3RD floor; Column K21 area; Cubicle 88; about center/Normal office activities	N/A	20803001-M07AC	15:32/ 17:09	97 minutes	3-Methylfuran	**17 x10^{-6}**	N/A
							2-Methyl-1-propanol	**50 x10^{-6}**	N/A
							1-Butanol	**462 x10^{-6}**	300
							3-Methyl-2-butanol	**nd**	N/A
							2-Pentanol	**nd**	N/A
							3-Methyl-2-butanol	**nd**	N/A
							Methyl disulfide	**nd**	N/A
							Ethyl isobutyrate	**nd**	N/A
							2-Hexanone	**43 x10^{-6}**	410
							2-Heptanone	**88 x10^{-6}**	468
							5-Methyl-3-heptanone	**nd**	130
							1-Octen-3-ol	**nd**	N/A
							3-Octanone	**nd**	N/A
							3-Octanol	**nd**	N/A
							2-Pentylfuran	**nd**	N/A
							2-Octen-1-ol	**nd**	N/A
							2-Methoxy-2-1(methylethyl) pyrazine	**nd**	N/A
							2-Nonanone	**nd**	N/A
							Fenchone	**nd**	N/A
							2-Methyl-isoborneol	**nd**	N/A
							a-Terpineol	**nd**	N/A
							Borneol	**nd**	N/A
							Geosmin	**nd**	N/A
							Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-106
MICROBIAL VOLATILE ORGANIC COMPOUNDS
3RD FLOOR
SACRAMENTO, CALIFORNIA
MARCH 5 AND 6, 2008

DATE	NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
3-5-08	Area Sample	3rd floor; Room 311; Cubicle 129; about center/Normal office activities	N/A	20803001-M08AC	15:35/ 17:16	102 minutes	3-Methylfuran	**14 x10^{-6}**	N/A
							2-Methyl-1-propanol	**nd**	N/A
							1-Butanol	**264 x10^{-6}**	300
							3-Methyl-2-butanol	**nd**	N/A
							2-Pentanol	**nd**	N/A
							3-Methyl-2-butanol	**nd**	N/A
							Methyl disulfide	**nd**	N/A
							Ethyl isobutyrate	**nd**	N/A
							2-Hexanone	**44 x10^{-6}**	410
							2-Heptanone	**86 x10^{-6}**	468
							5-Methyl-3-heptanone	**nd**	130
							1-Octen-3-ol	**nd**	N/A
							3-Octanone	**nd**	N/A
							3-Octanol	**nd**	N/A
							2-Pentylfuran	**nd**	N/A
							2-Octen-1-ol	**nd**	N/A
							2-Methoxy-2-1(methylenthyl) pyrazine	**nd**	N/A
							2-Nonanone	**nd**	N/A
							Fenchone	**nd**	N/A
							2-Methyl-isoborneol	**nd**	N/A
							a-Terpineol	**nd**	N/A
							Bomeol	**nd**	N/A
							Geosmin	**nd**	N/A
							Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-106
MICROBIAL VOLATILE ORGANIC COMPOUNDS
3RD FLOOR
SACRAMENTO, CALIFORNIA
MARCH 5 AND 6, 2008

DATE	NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
3-6-08	Area Sample	3rd floor; Column N20 area; about three feet east of Cubicle 28/Normal office activities	N/A	20802001-M09AC	09:33/ 11:20	107 minutes	3-Methylfuran	**66 x10^{-6}**	N/A
							2-Methyl-1-propanol	**nd**	N/A
							1-Butanol	**1,139 x10^{-6}**	300
							3-Methyl-2-butanol	**nd**	N/A
							2-Pentanol	**nd**	N/A
							3-Methyl-2-butanol	**nd**	N/A
							Methyl disulfide	**nd**	N/A
							Ethyl isobutyrate	**nd**	N/A
							2-Hexanone	**82 x10^{-6}**	410
							2-Heptanone	**166 x10^{-6}**	468
							5-Methyl-3-heptanone	**nd**	130
							1-Octen-3-ol	**nd**	N/A
							3-Octanone	**nd**	N/A
							3-Octanol	**nd**	N/A
							2-Pentylfuran	**nd**	N/A
							2-Octen-1-ol	**nd**	N/A
							2-Methoxy-2-1(methylenthyl) pyrazine	**nd**	N/A
							2-Nonanone	**nd**	N/A
							Fenchone	**nd**	N/A
							2-Methyl-isoborneol	**nd**	N/A
							a-Terpineol	**nd**	N/A
							Bomeol	**nd**	N/A
							Geosmin	**nd**	N/A
							Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M^3: Milligrams per cubic meter
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APPENDIX A

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MICROBIAL VOLATILE ORGANIC COMPOUNDS
3RD FLOOR
SACRAMENTO, CALIFORNIA
MARCH 5 AND 6, 2008

DATE	NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
3-6-08	Area Sample	3rd floor; about six feet east of Cubicle 52/Normal office activities	N/A	20803001-M10AC	09:37/ 11:24	107 minutes	3-Methylfuran	**51 x10^{-6}**	N/A
							2-Methyl-1-propanol	**nd**	N/A
							1-Butanol	**232 x10^{-6}**	300
							3-Methyl-2-butanol	**nd**	N/A
							2-Pentanol	**nd**	N/A
							3-Methyl-2-butanol	**nd**	N/A
							Methyl disulfide	**nd**	N/A
							Ethyl isobutyrate	**nd**	N/A
							2-Hexanone	**76 x10^{-6}**	410
							2-Heptanone	**137 x10^{-6}**	468
							5-Methyl-3-heptanone	**nd**	130
							1-Octen-3-ol	**nd**	N/A
							3-Octanone	**nd**	N/A
							3-Octanol	**nd**	N/A
							2-Pentylfuran	**nd**	N/A
							2-Octen-1-ol	**nd**	N/A
							2-Methoxy-2-1(methylenthyl) pyrazine	**nd**	N/A
							2-Nonanone	**nd**	N/A
							Fenchone	**nd**	N/A
							2-Methyl-isoborneol	**nd**	N/A
							a-Terpineol	**nd**	N/A
							Bomeol	**nd**	N/A
							Geosmin	**nd**	N/A
							Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20802001-107
DIRECT-READING RESULTS
3RD FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 6, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Room 317; about five feet east of Cubicle 47; approximately five feet above floor/Normal office activities	10:47/10:50	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Room 322; about ten feet north of Nathaniel Eddin's Cubicle; approximately five feet above floor/Normal office activities	10:51/10:58	Volatile Organic Compounds Oxygen	ND <0.1 <0.05	N/A
Room 308; southeastern corner; approximately five feet above floor/Normal office activities	11:00/11:05	Volatile Organic Compounds Oxygen	ND < 0.1 ND <0.05	N/A
Data entry unit; southwestern corner; approximately five feet above floor/Normal office activities	11:07/12:01	Volatile Organic Compounds Oxygen	ND < 0.1 ND <0.05	N/A

LEGEND

ND: Not detected
<: Less than
N/A: Not applicable
ppm: Parts per million

EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20802001
EML ID: 386091

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Spore trap analysis: 02-12-2008

Project SOPs: Spore trap analysis (I100000)

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM01outAR		20802001-TM02AR		20802001-TM03AR		20802001-TM04AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1694255-1		1694256-1		1694257-1		1694258-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	3	160						
Aureobasidium								
Basidiospores*	13	453						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Oidium	2	27						
Other brown								
Other colorless	1	13						
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	13						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	13		< 13		< 13		< 13	
Pollen/m3	67		< 13		< 13		< 13	
Skin cells (1-4+)	None		< 1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		679		< 13		< 13		< 13

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
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Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM05AR		20802001-TM06AR		20802001-TM07AR		20802001-TM08AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1694259-1		1694260-1		1694261-1		1694262-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*			1	13			1	53
Aureobasidium								
Basidiospores*			1	53				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	53			2	107
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†			1	53			1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	13						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		13		172		< 13		213

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM09AR		20802001-TM10AR		20802001-TM11AR		20802001-TM12AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1694263-1		1694264-1		1694265-1		1694266-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*							1	13
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							2	107
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		< 13		< 13		< 13		120

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM13AR		20802001-TM14AR		20802001-TM15AR		20802001-TM16AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1694267-1		1694268-1		1694269-1		1694270-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Arthrinium								
Ascospores*					1	13		
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown					1	13	1	13
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		13		< 13		26		66

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Date of Sampling: 02-06-2008
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Date of Report: 02-12-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM17AR		20802001-TM18outAR	
Comments (see below)	None		None	
Lab ID-Version‡:	1694271-1		1694272-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*	1	13	4	213
Aureobasidium				
Basidiospores*			19	1,010
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			2	107
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Other colorless				
Penicillium/Aspergillus types†			2	107
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	< 13		< 13	
Pollen/m3	< 13		< 13	
Skin cells (1-4+)	1+		None	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		13		1,437

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM01outAR

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: February				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	20	190	37	7	27	230	61
Bipolaris/Drechslera group	-	7	13	150	11	7	13	120	14
Chaetomium	-	7	13	130	8	7	13	110	19
Cladosporium	-	27	320	4,400	90	53	640	6,500	98
Curvularia	-	7	13	330	8	7	13	220	7
Epicoccum	13	7	13	240	14	7	13	160	21
Nigrospora	-	7	13	130	8	7	13	170	8
Other colorless	13	7	13	130	7	7	13	93	7
Penicillium/Aspergillus types	-	27	160	1,800	86	44	210	2,500	89
Stachybotrys	-	7	13	410	3	7	13	320	5
Torula	-	7	13	180	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	160	13	120	2,200	67	13	110	1,800	73
Basidiospores	453	13	270	8,800	88	13	270	7,100	95
Oidium	27	7	13	170	10	7	13	190	20
Rusts	-	7	13	220	11	7	13	270	29
Smuts, Periconia, Myxomycetes	13	7	27	280	54	8	40	480	72
TOTAL SPORES/M3	679								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM18outAR

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: February				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	20	190	37	7	27	230	61
Bipolaris/Drechslera group	-	7	13	150	11	7	13	120	14
Chaetomium	-	7	13	130	8	7	13	110	19
Cladosporium	107	27	320	4,400	90	53	640	6,500	98
Curvularia	-	7	13	330	8	7	13	220	7
Epicoccum	-	7	13	240	14	7	13	160	21
Nigrospora	-	7	13	130	8	7	13	170	8
Other colorless	-	7	13	130	7	7	13	93	7
Penicillium/Aspergillus types	107	27	160	1,800	86	44	210	2,500	89
Stachybotrys	-	7	13	410	3	7	13	320	5
Torula	-	7	13	180	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	213	13	120	2,200	67	13	110	1,800	73
Basidiospores	1,010	13	270	8,800	88	13	270	7,100	95
Oidium	-	7	13	170	10	7	13	190	20
Rusts	-	7	13	220	11	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	280	54	8	40	480	72
TOTAL SPORES/M3	1,437								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM01outAR:

Species detected	Outdoor sample spores/m3 <100 1K 10K >100K	Typical outdoor ranges (North America)	Freq. %
Ascospores	160	13 - 160 - 4,200	76
Basidiospores	453	13 - 320 - 14,000	92
Cladosporium	ND	40 - 530 - 8,500	95
Epicoccum	13	7 - 13 - 320	24
Oidium	27	7 - 13 - 230	15
Other colorless	13	7 - 13 - 140	7
Penicillium/Aspergillus types	ND	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	13	7 - 40 - 760	70
Total	679		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 20802001-TM02AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM03AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM04AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM05AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0857 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Smuts, Periconia, Myxomycetes	13
Total	13

Location: 20802001-TM06AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 25%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: -0.0060 Critical value: 0.6190 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	13
Basidiospores	53
Cladosporium	53
Penicillium/Aspergillus types	53
Total	172

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM07AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM08AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 31%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: -0.2440 Critical value: 0.6190 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	53
Cladosporium	107
Penicillium/Aspergillus types	53
Total	213

Location: 20802001-TM09AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM10AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM11AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM12AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.0000 Critical value: 0.6786 Outside Similar: No	Score: 107 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	13
Cladosporium	107
Total	120

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM13AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 7 Result: -0.0268 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Alternaria				13
Total				13

Location: 20802001-TM14AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
None Detected				N/A

Location: 20802001-TM15AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.0982 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Ascospores				13
Other brown				13
Total				26

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM16AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 9%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: -0.3333 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Other brown	13
Total	66

Location: 20802001-TM17AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.6000 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	13
Total	13

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM18outAR:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	213	13 - 160 - 4,200	76
Basidiospores	1,010	13 - 320 - 14,000	92
Cladosporium	107	40 - 530 - 8,500	95
Penicillium/Aspergillus types	107	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 760	70
Total	1,437		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 20802001-TM02AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	N/A

Location: 20802001-TM03AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	N/A

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM04AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM05AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 5 Result: -0.2250 Critical value: 0.8000 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Smuts, Periconia, Myxomycetes	13
Total	13

Location: 20802001-TM06AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 11%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 1.0000	dF: 4 Result: 0.0500 Critical value: N/A Outside Similar: N/A	Score: 107 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	13
Basidiospores	53
Cladosporium	53
Penicillium/Aspergillus types	53
Total	172

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Location: 20802001-TM07AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM08AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.8571	dF: 4 Result: -0.6500 Critical value: N/A Outside Similar: N/A	Score: 107 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	53
Cladosporium	107
Penicillium/Aspergillus types	53
Total	213

Location: 20802001-TM09AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM10AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM11AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: 20802001-TM12AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 8%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: -0.2500 Critical value: N/A Outside Similar: N/A	Score: 106 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	13
Cladosporium	107
Total	120

EMLab P&K
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM13AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 5 Result: -0.2250 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Alternaria				13
Total				13

Location: 20802001-TM14AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
None Detected				N/A

Location: 20802001-TM15AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: -0.1000 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Ascospores				13
Other brown				13
Total				26

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM16AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: -0.4250 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Other brown	13
Total	66

Location: 20802001-TM17AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 9.8130 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4500 Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	13
Total	13

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20802001-TM01outAR

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		ND	< 13
Curvularia		ND	< 13
Epicoccum		1	13
Nigrospora		ND	< 13
Other colorless		1	13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		3	160
Basidiospores††		13	453
Oidium		2	27
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		1	13
Total			**679**

Location: 20802001-TM02AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM03AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM04AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM05AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		1	13		103
Total			**13**	**Final MoldSCORE**	**103**

Location: 20802001-TM06AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		100
Basidiospores††		1	53		101
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**172**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM07AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM08AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		107
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	53		114
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**213**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM09AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM10AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM11AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM12AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		107
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		101
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**120**	**Final MoldSCORE**	**107**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM13AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		105
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**105**

Location: 20802001-TM14AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM15AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		104
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**26**	**Final MoldSCORE**	**105**

Location: 20802001-TM16AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**66**	**Final MoldSCORE**	**105**

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-12-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM17AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		105
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**100**

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

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Re: 20802001

Date of Sampling: 02-06-2008
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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20802001-TM18outAR

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		2	107
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		2	107
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		4	213
Basidiospores††		19	1,010
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		ND	< 13
Total			**1,437**

Location: 20802001-TM02AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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Re: 20802001

Date of Sampling: 02-06-2008
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MoldSCORE™: Spore Trap Report

Location: 20802001-TM03AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM04AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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Re: 20802001

Date of Sampling: 02-06-2008
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Date of Report: 02-12-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM05AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		1	13		103
Total			**13**	**Final MoldSCORE**	**103**

Location: 20802001-TM06AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		107
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		100
Basidiospores††		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**172**	**Final MoldSCORE**	**107**

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Re: 20802001

Date of Sampling: 02-06-2008
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MoldSCORE™: Spore Trap Report

Location: 20802001-TM07AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM08AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		106
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		107
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	53		112
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**213**	**Final MoldSCORE**	**107**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM09AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM10AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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Re: 20802001

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM11AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 20802001-TM12AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		106
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**120**	**Final MoldSCORE**	**106**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM13AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		105
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**105**

Location: 20802001-TM14AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM15AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		104
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**26**	**Final MoldSCORE**	**105**

Location: 20802001-TM16AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**66**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM17AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		1	13		105
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**100**

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 2080200 | Date Submitted: 2-7-08

Project Contact: Wes Frey | Turnaround Required: Standard

Lab Destination: EMLab P&K | Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2080200 1 - TM01AR	AR 75L	allergeno-D	Total Fungi Analysis
- TM02AR			
- TM03AR			
- TM04AR			
- TM05AR			
- TM06AR			
- TM07AR			
- TM08AR			
- TM09AR			
- TM10AR			
- TM11AR			
- TM12AR			
- TM13AR			
- TM14AR			
- TM15AR			
- TM16AR			

Special Instructions:

1. **Sampled by:** 2-6-08 1800 **Received by:** 2/7/08 9:30AM
2. **Relinquished by:** **Received by:**
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

2080091

HYGIENE TECH
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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2-7-08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EMLab P&K Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TM1TAR	75L	allergenco-D	Total Fungi Analysis
20802001-TM8OUTAR	↓	↓	↓
20802001-VM01OUTAR	56.6L	MEA	Viable Fungi Analysis
VM02AR			
VM03AR			
VM04AR			
VM05AR			
VM06AR			
VM07AR			
VM08AR			
VM09AR			
VM10OUTAR	↓	↓	↓

Special Instructions:

1. **Sampled by:** [illegible] 2.6.08 1800 **Received by:** [illegible] 2/8 9:37AM
2. **Relinquished by:** **Received by:**
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

080091

EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20802001
EML ID: 386798

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-13-2008
Spore trap analysis: 02-13-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005), Spore trap analysis (I100000)

EMLab P&K
1010 N Central Avenue, Glendale, CA 91202
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM09CCAR		20802001-TM10CCAR		20802001-TM11CCAR		20802001-TM12CCAR	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	1697461-1		1697462-1		1697463-1		1697464-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	13	6	80
Arthrinium								
Ascospores*			1	13	1	13	2	27
Aureobasidium								
Basidiospores*					1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			5	267	7	373
Curvularia								
Epicoccum							1	13
Fusarium								
Myrothecium								
Nigrospora					1	13		
Other brown	1	13			1	13		
Other colorless								
Penicillium/Aspergillus types†	1	13	1	53	24	360		
Pithomyces								
Rusts*					1	13	1	13
Smuts*, Periconia, Myxomycetes*	2	27			2	27	3	40
Stachybotrys								
Stemphylium								
Torula							2	27
Trichocladium								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		3+	
Hyphal fragments/m3	< 13		13		27		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	2+		1+		1+		3+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		106		66		772		573

Comments: A) 23 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

EMLab P&K
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(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM13CCAR		20802001-TM14CCAR		20802001-TM15CCAR		20802001-TM16CCAR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1697465-1		1697466-1		1697467-1		1697468-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	13			4	93		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	53	1	53	2	107
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†					1	53		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*					2	27	1	13
Stachybotrys								
Stemphylium								
Torula								
Trichocladium								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		26		53		226		120

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM17CCAR		20802001-TM18CCAR		20802001-TM19CCAR		20802001-TM20CCAR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1697469-1		1697470-1		1697471-1		1697472-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	13		
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	2	27						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			1	53		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†							3	160
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Trichocladium					1	13		
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	27		< 13		13		< 13	
Skin cells (1-4+)	3+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		93		< 13		79		160

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM21CCAR		20802001-TM22CCAR		20802001-TM23CCAR		20802001-TM24CCAR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1697473-1		1697474-1		1697475-1		1697476-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	13			2	27
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							4	213
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†					1	53		
Pithomyces								
Rusts*	1	13	1	13			1	13
Smuts*, Periconia, Myxomycetes*	1	13					1	13
Stachybotrys	1	13						
Stemphylium								
Torula								
Trichocladium								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		3+	
Hyphal fragments/m3	< 13		< 13		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		< 1+		3+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		52		26		53		266

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
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‡ A "Version" greater than 1 indicates amended data.

EMLab P&K
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

DIRECT MICROSCOPIC EXAMINATION REPORT
(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1697445-1: Swab sample 20802001-S09AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697446-1: Swab sample 20802001-S10AR				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697447-1: Swab sample 20802001-S11AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697448-1: Swab sample 20802001-S12AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697449-1: Swab sample 20802001-S13AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1697450-1: Swab sample 20802001-S14AR				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1697451-1: Swab sample 20802001-S15AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697452-1: Swab sample 20802001-S16AR				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697453-1: Swab sample 20802001-S17AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697454-1: Swab sample 20802001-S18AR				
Heavy	Very few	3+ *Cladosporium* species (spores, hyphae)	None	Mold growth
Lab ID-Version: 1697455-1: Swab sample 20802001-S19AR				
Very Heavy	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1697456-1: Swab sample 20802001-S20AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697457-1: Swab sample 20802001-S21AR				
Very Heavy	Very few	None	Heavy amounts of myxomycetes detected.	Growth of a Myxomycetes in vicinity?
Lab ID-Version: 1697458-1: Swab sample 20802001-S22AR				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697459-1: Swab sample 20802001-S23AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697460-1: Swab sample 20802001-S24AR				
Very Heavy	Very few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/7/08

Project Contact: Wes Frey Turnaround Required: Normal

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001 - TM09CCAR	75L	Allergenco D	Spore Trap
- TM10CCAR			
- TM11CCAR			
- TM12CCAR			
- TM13CCAR			
- TM14CCAR			
- TM15CCAR			
- TM16CCAR			
- S09AR	N/A	Swab	Surface Fungi
- S10AR			
- S11AR			
- S12AR			
- S13AR			
- S14AR			
- S15AR			
- S16AR			

Special Instructions:

1. Sampled by: 2/7/08 1300 Received by: 2/8 10AM
2. Relinquished by: Received by: 2/11/08
3. Relinquished by: Received by: 9:40a

Please include signature, date, and time

Lab Use Only:

38678

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8376
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/7/08

Project Contact: Wes Frey Turnaround Required: Normal

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001 - TMACCAR	75L	Allergenco D	Spore Trap
- TM18CCAR			
- TM19CCAR			
- TM20CCAR			
- TM 21 CCAR			
- TM 22 CCAR			
- TM 23 CCAR			
- TM24CCAR			
- S17AR	N/A	Swab	Surface Fungi
- S18 AR			
- S19 AR			
- S20 AR			
- S21 AR			
- S22 AR			
- S23 AR			
- S24 AR			

Special Instructions:

1. Sampled by: 2/7/08 1500 Received by:
2. Relinquished by: 2/8/8 Received by: 2/8/8 10AM
3. Relinquished by: Received by: 2/11/08 9:40 am

Please include signature, date, and time

Lab Use Only:

EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20802001
EML ID: 386091

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 02-14-2008
Spore trap analysis: 02-12-2008

Project SOPs: Culturable air fungi (Incl. Asp spp.) (I100002), Spore trap analysis (I100000)

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM01outAR		20802001-VM02AR		20802001-VM03AR		20802001-VM04AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1694245-1		1694246-1		1694247-1		1694248-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria					1	18		
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger	2	35	1	18	7	124		
Aspergillus ochraceus								
Aspergillus versicolor	1	18						
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis	1	18						
Chaetomium								
Cladosporium	5	88						
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi								
Paecilomyces								
Penicillium	1	18						
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		177		18		142		< 18

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM05AR		20802001-VM06AR		20802001-VM07AR		20802001-VM08AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1694249-1		1694250-1		1694251-1		1694252-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium			1	18				
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium					1	18		
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi	1	18	1	18				
Paecilomyces								
Penicillium								
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		18		36		18		< 18

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

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NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
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‡ A "Version" greater than 1 indicates amended data.

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-06-2008
Date of Receipt: 02-07-2008
Date of Report: 02-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM09AR		20802001-VM10outAR	
Comments (see below)	None		None	
Lab ID-Version‡:	1694253-1		1694254-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger	1	18	1	18
Aspergillus ochraceus				
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			1	18
Curvularia				
Epicoccum				
Fusarium				
Non-sporulating fungi				
Paecilomyces				
Penicillium			1	18
Phoma				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts				
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		18		54

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20802001
EML ID: 386800

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-13-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005)

EMLab P&K
1010 N Central Avenue, Glendale, CA 91202
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

DIRECT MICROSCOPIC EXAMINATION REPORT
(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1697382-1: Tape sample 20802001-TL21JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697383-1: Tape sample 20802001-TL22JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1697384-1: Tape sample 20802001-TL23JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1697385-1: Tape sample 20802001-TL24JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697386-1: Tape sample 20802001-TL25JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1697387-1: Tape sample 20802001-TL26JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1697388-1: Tape sample 20802001-TL27JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697389-1: Tape sample 20802001-TL28JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1697390-1: Tape sample 20802001-TL29JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1697391-1: Tape sample 20802001-TL30JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697392-1: Tape sample 20802001-TL31JL				
Light	None	None	None	No mold spores detected

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1697393-1: Tape sample 20802001-TL32JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697394-1: Tape sample 20802001-TL33JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697395-1: Tape sample 20802001-TL34JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1697396-1: Tape sample 20802001-TL35JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697397-1: Tape sample 20802001-TL36JL				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1697398-1: Tape sample 20802001-TL37JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697399-1: Tape sample 20802001-TL38JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1697400-1: Tape sample 20802001-TL39JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1697401-1: Tape sample 20802001-TL40JL				
Light	Very few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/8/08

Project Contact: Wes Feely Turnaround Required: standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TL21JL	N/A	tape	surface fungi ID qualitative
-TL22JL			
-TL23JL			
-TL24JL			
-TL25JL			
-TL26JL			
-TL27JL			
-TL28JL			
-TL29JL			
-TL30JL			
-TL31JL			
-TL32JL			
-TL33JL			
-TL34JL			
-TL35JL			
-TL36JL			

Special Instructions:

1. **Sampled by:** John Le 2/7/08 1130 **Received by:** 2/11/08
2. **Relinquished by:** **Received by:** 9:40 am
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

28880

HYGIENE TECH
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(310) 370-2474 FAX
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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/8/08

Project Contact: Wes Frey Turnaround Required: standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TL37JL	N/A	tape	surface fungi ID qualitative
-TL38JL			
-TL39JL			
-TL40JL			

Special Instructions:

1. Sampled by: John le 2/7/08 1130 Received by: [signature] 2/7/08
2. Relinquished by: [signature] 2:8/08 Received by: [signature] 2/11/08 9:40 am
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only: